

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 09/879,312A  
Source: TFW16  
Date Processed by STIC: 3-4-05

***ENTERED***



IFW16

**RAW SEQUENCE LISTING** DATE: 03/04/2005  
**PATENT APPLICATION:** US/09/879,312A **TIME:** 15:08:12

Input Set : A:\Hui27cpd.app  
 Output Set: N:\CRF4\03042005\I879312A.raw

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3 <110> APPLICANT: GLIMCHER, LAURIE H.
4      DOUHAN III, JOHN
6 <120> TITLE OF INVENTION: HUMAN C-MAF COMPOSITIONS AND METHODS OF USE THEREFOR
8 <130> FILE REFERENCE: HUI-027CPDV1
10 <140> CURRENT APPLICATION NUMBER: 09/879,312A
11 <141> CURRENT FILING DATE: 2001-06-12
13 <150> PRIOR APPLICATION NUMBER: 09/086,010
14 <151> PRIOR FILING DATE: 1998-05-27
16 <160> NUMBER OF SEQ ID NOS: 4
18 <170> SOFTWARE: PatentIn Ver. 3.3
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21 <211> LENGTH: 1203
22 <212> TYPE: DNA
23 <213> ORGANISM: Homo sapiens
25 <220> FEATURE:
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27 <222> LOCATION: (1)..(1203)
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32   1           5           10          15
34 ctg gcc atg gaa tat gtt aat gac ttc gat ctg atg aag ttt gaa gtg 96
35 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
36   20          25          30
38 aaa aag gaa ccg gtg gag acc gac cgc atc atc agc cag tgc ggc cgt 144
39 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
40   35          40          45
42 ctc atc gcc ggg ggc tcg ctg tcc acc ccc atg agc acg ccc tgc 192
43 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
44   50          55          60
46 agc tcg gtg ccc ccg tcc ccc agc ttc tcg gcg ccc agc ccg ggc tcg 240
47 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
48   65          70          75          80
50 cga ggc gaa cag aag gcg cac ctg gaa gac tac tac tgg atg acc ggc 288
51 Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
52   85          90          95
54 tac ccg cag cag ctg aac ccc gag gcg ctg ggc ttc agc ccc gag gac 336
55 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
56   100         105         110
58 gcg gtc gag gcg ctc atc agc aac agc cac cag ctc cgg ggc ggc ttc 384
59 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe
60   115         120         125
62 gat ggc tat gcg cgc ggg gcg cag cag cta gcc gcg gcg gcc ggg gca 432
  
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|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 63  | Asp | Gly | Tyr | Ala | Arg | Gly | Ala | Gln | Gln | Leu | Ala | Ala | Ala | Gly | Ala |     |      |
| 64  | 130 |     |     |     | 135 |     |     |     |     | 140 |     |     |     |     |     |     |      |
| 66  | ggt | gcc | ggc | gcc | tcc | ttg | ggc | ggc | agc | ggc | gag | gag | atg | ggc | ccc | gcc | 480  |
| 67  | Gly | Ala | Gly | Ala | Ser | Leu | Gly | Gly | Ser | Gly | Glu | Glu | Met | Gly | Pro | Ala |      |
| 68  | 145 |     |     |     | 150 |     |     |     | 155 |     |     |     | 160 |     |     |     |      |
| 70  | gcc | gcc | gtg | gtg | tcc | gcc | gtg | atc | gcc | gct | gcc | gct | cag | agc | ggc |     | 528  |
| 71  | Ala | Ala | Val | Val | Ser | Ala | Val | Ile | Ala | Ala | Ala | Ala | Gln | Ser | Gly |     |      |
| 72  |     |     |     |     | 165 |     |     |     | 170 |     |     |     | 175 |     |     |     |      |
| 74  | gct | ggc | ccg | cac | tac | cac | cac | cac | cac | cac | gcc | gcc | ggc | cac | cac |     | 576  |
| 75  | Ala | Gly | Pro | His | Tyr | His | His | His | His | His | Ala | Ala | Gly | His | His |     |      |
| 76  |     |     |     |     | 180 |     |     |     | 185 |     |     |     | 190 |     |     |     |      |
| 78  | cac | cac | ccg | acg | gcc | ggc | gct | ccc | ggc | gcc | gct | ggc | agc | gct | gcc | gct | 624  |
| 79  | His | His | Pro | Thr | Ala | Gly | Ala | Pro | Gly | Ala | Ala | Gly | Ser | Ala | Ala | Ala |      |
| 80  |     |     |     |     | 195 |     |     |     | 200 |     |     |     | 205 |     |     |     |      |
| 82  | tcg | gcc | ggt | ggc | gct | ggg | ggc | gct | ggc | ggc | ggt | ggc | ccg | gcc | agc | gtt | 672  |
| 83  | Ser | Ala | Gly | Gly | Ala | Gly | Gly | Ala | Gly | Gly | Gly | Gly | Pro | Ala | Ser | Val |      |
| 84  |     |     |     |     | 210 |     |     |     | 215 |     |     |     | 220 |     |     |     |      |
| 86  | ggg | ggc | gga | ggc | ggc | ggg | ggc | gct | ggc | 720  |
| 87  | Gly | Ala | Ala  |
| 88  |     |     |     |     | 225 |     |     |     | 230 |     |     |     | 235 |     |     |     | 240  |
| 90  | ggc | gcc | ctg | cac | ccg | cac | cac | gcc | gcc | ggc | ctg | cac | tcc | gac | gac |     | 768  |
| 91  | Gly | Ala | Leu | His | Pro | His | His | Ala | Ala | Gly | Gly | Leu | His | Phe | Asp | Asp |      |
| 92  |     |     |     |     | 245 |     |     |     | 250 |     |     |     | 255 |     |     |     |      |
| 94  | cgc | tcc | tcc | gac | gag | cag | ctg | gtg | acc | atg | tct | gtg | cgc | gac | tgg | aac | 816  |
| 95  | Arg | Phe | Ser | Asp | Glu | Gln | Leu | Val | Thr | Met | Ser | Val | Arg | Asp | Trp | Asn |      |
| 96  |     |     |     |     | 260 |     |     |     | 265 |     |     |     | 270 |     |     |     |      |
| 98  | cgg | cag | ctg | cgc | ggg | gtc | agc | aag | gag | gag | gtg | atc | cg  | ctg | aag | cag | 864  |
| 99  | Arg | Gln | Leu | Arg | Gly | Val | Ser | Lys | Glu | Glu | Val | Ile | Arg | Leu | Lys | Gln |      |
| 100 |     |     |     |     | 275 |     |     |     | 280 |     |     |     | 285 |     |     |     |      |
| 102 | aag | agg | cg  | acc | ctg | aaa | aac | cgc | ggc | tat | gcc | aag | tcc | tgc | cgc | tcc | 912  |
| 103 | Lys | Arg | Arg | Thr | Leu | Lys | Asn | Arg | Gly | Tyr | Ala | Lys | Ser | Cys | Arg | Phe |      |
| 104 |     |     |     |     | 290 |     |     |     | 295 |     |     |     | 300 |     |     |     |      |
| 106 | aag | agg | gtg | cag | cag | aga | cac | gtc | ctg | gag | tcg | gag | aag | aac | cag | ctg | 960  |
| 107 | Lys | Arg | Val | Gln | Gln | Arg | His | Val | Leu | Glu | Ser | Glu | Lys | Asn | Gln | Leu |      |
| 108 |     |     |     |     | 305 |     |     |     | 310 |     |     |     | 315 |     |     |     | 320  |
| 110 | ctg | cag | caa | gtc | gac | cac | ctc | aag | cag | gag | atc | tcc | agg | ctg | gtg | cgc | 1008 |
| 111 | Leu | Gln | Gln | Val | Asp | His | Leu | Lys | Gln | Glu | Ile | Ser | Arg | Leu | Val | Arg |      |
| 112 |     |     |     |     | 325 |     |     |     | 330 |     |     |     | 335 |     |     |     |      |
| 114 | gag | agg | gac | gac | tac | aag | gag | aaa | tac | gag | aag | ttg | gtg | agc | agc | ggc | 1056 |
| 115 | Glu | Arg | Asp | Ala | Tyr | Lys | Glu | Lys | Tyr | Glu | Lys | Leu | Val | Ser | Ser | Gly |      |
| 116 |     |     |     |     | 340 |     |     |     | 345 |     |     |     | 350 |     |     |     |      |
| 118 | ttc | cga | gaa | aac | ggc | tcg | agc | agc | gac | aac | ccg | tcc | tct | ccc | gag | ttt | 1104 |
| 119 | Phe | Arg | Glu | Asn | Gly | Ser | Ser | Ser | Asp | Asn | Pro | Ser | Ser | Pro | Glu | Phe |      |
| 120 |     |     |     |     | 355 |     |     |     | 360 |     |     |     | 365 |     |     |     |      |
| 122 | ttc | ata | act | gag | ccc | act | cgc | aag | ttg | gag | cca | tca | gtg | gga | tac | gcc | 1152 |
| 123 | Phe | Ile | Thr | Glu | Pro | Thr | Arg | Lys | Leu | Glu | Pro | Ser | Val | Gly | Tyr | Ala |      |
| 124 |     |     |     |     | 370 |     |     |     | 375 |     |     |     | 380 |     |     |     |      |
| 126 | aca | ttt | tgg | aag | ccc | cag | cat | cgt | gta | ctt | acc | agt | gtg | ttc | aca | aaa | 1200 |
| 127 | Thr | Phe | Trp | Lys | Pro | Gln | His | Arg | Val | Leu | Thr | Ser | Val | Phe | Thr | Lys |      |

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**DATE: 03/04/2005**  
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**Input Set : A:\Hui27cpd.app**  
**Output Set: N:\CRF4\03042005\I879312A.raw**

|     |   |     |     |     |      |
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| 128 | 385   | 390 | 395 | 400 |      |
| 130 | tga   |     |     |     | 1203 |
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| 135 | <211> LENGTH: 400   |     |     |     |      |
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| 137 | <213> ORGANISM: Homo sapiens                                    |     |     |     |      |
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| 140 | Met Ala Ser Glu Leu Ala Met Ser Asn Ser Asp Leu Pro Thr Ser Pro |     |     |     |      |
| 141 | 1 5   | 10  | 15  |     |      |
| 143 | Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val |     |     |     |      |
| 144 | 20  | 25  | 30  |     |      |
| 146 | Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg |     |     |     |      |
| 147 | 35 40   | 45  |     |     |      |
| 149 | Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys |     |     |     |      |
| 150 | 50 55   | 60  |     |     |      |
| 152 | Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser |     |     |     |      |
| 153 | 65 70   | 75  | 80  |     |      |
| 155 | Arg Gly Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly |     |     |     |      |
| 156 | 85 90   | 95  |     |     |      |
| 158 | Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp |     |     |     |      |
| 159 | 100 105   | 110 |     |     |      |
| 161 | Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Arg Gly Gly Phe |     |     |     |      |
| 162 | 115 120   | 125 |     |     |      |
| 164 | Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Gly Ala     |     |     |     |      |
| 165 | 130 135   | 140 |     |     |      |
| 167 | Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala |     |     |     |      |
| 168 | 145 150   | 155 | 160 |     |      |
| 170 | Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Gln Ser Gly     |     |     |     |      |
| 171 | 165 170   | 175 |     |     |      |
| 173 | Ala Gly Pro His Tyr His His His His His Ala Ala Gly His His     |     |     |     |      |
| 174 | 180 185   | 190 |     |     |      |
| 176 | His His Pro Thr Ala Gly Ala Pro Gly Ala Ala Gly Ser Ala Ala Ala |     |     |     |      |
| 177 | 195 200   | 205 |     |     |      |
| 179 | Ser Ala Gly Gly Ala Gly Gly Ala Gly Gly Gly Pro Ala Ser Val     |     |     |     |      |
| 180 | 210 215   | 220 |     |     |      |
| 182 | Gly Ala Ala             |     |     |     |      |
| 183 | 225 230   | 235 | 240 |     |      |
| 185 | Gly Ala Leu His Pro His His Ala Ala Gly Gly Leu His Phe Asp Asp |     |     |     |      |
| 186 | 245 250   | 255 |     |     |      |
| 188 | Arg Phe Ser Asp Glu Gln Leu Val Thr Met Ser Val Arg Asp Trp Asn |     |     |     |      |
| 189 | 260 265   | 270 |     |     |      |
| 191 | Arg Gln Leu Arg Gly Val Ser Lys Glu Glu Val Ile Arg Leu Lys Gln |     |     |     |      |
| 192 | 275 280   | 285 |     |     |      |
| 194 | Lys Arg Arg Thr Leu Lys Asn Arg Gly Tyr Ala Lys Ser Cys Arg Phe |     |     |     |      |
| 195 | 290 295   | 300 |     |     |      |
| 197 | Lys Arg Val Gln Gln Arg His Val Leu Glu Ser Glu Lys Asn Gln Leu |     |     |     |      |
| 198 | 305 310   | 315 | 320 |     |      |
| 200 | Leu Gln Gln Val Asp His Leu Lys Gln Glu Ile Ser Arg Leu Val Arg |     |     |     |      |
| 201 | 325 330   | 335 |     |     |      |

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```

203 Glu Arg Asp Ala Tyr Lys Glu Lys Tyr Glu Lys Leu Val Ser Ser Gly
204      340          345          350
206 Phe Arg Glu Asn Gly Ser Ser Asp Asn Pro Ser Ser Pro Glu Phe
207      355          360          365
209 Phe Ile Thr Glu Pro Thr Arg Lys Leu Glu Pro Ser Val Gly Tyr Ala
210      370          375          380
212 Thr Phe Trp Lys Pro Gln His Arg Val Leu Thr Ser Val Phe Thr Lys
213 385          390          395          400
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219 <211> LENGTH: 1119
220 <212> TYPE: DNA
221 <213> ORGANISM: Mus musculus
223 <220> FEATURE:
224 <221> NAME/KEY: CDS
225 <222> LOCATION: (1)..(1119)
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230 1          5          10          15
232 ctg gcc atg gaa tat gtt aat gac ttc gat ctg atg aag ttt gaa gtg 96
233 Leu Ala Met Glu Tyr Val Asn Asp Phe Asp Leu Met Lys Phe Glu Val
234          20          25          30
236 aaa aag gaa ccg gtg gag acc gac cgc atc atc agc cag tgc ggc cgt 144
237 Lys Lys Glu Pro Val Glu Thr Asp Arg Ile Ile Ser Gln Cys Gly Arg
238          35          40          45
240 ctc atc gcc ggg ggc tcg ctg tcc acc ccc atg agc acg ccc tgc 192
241 Leu Ile Ala Gly Gly Ser Leu Ser Ser Thr Pro Met Ser Thr Pro Cys
242          50          55          60
244 agc tcg gtg ccc ccg tcc ccc agc ttc tcg gcg ccc agc ccg ggc tcg 240
245 Ser Ser Val Pro Pro Ser Pro Ser Phe Ser Ala Pro Ser Pro Gly Ser
246          65          70          75          80
248 ggc agc gaa cag aag gcg cac ctg gaa gac tac tac tgg atg acc ggc 288
249 Gly Ser Glu Gln Lys Ala His Leu Glu Asp Tyr Tyr Trp Met Thr Gly
250          85          90          95
252 tac ccg cag cag ctc aac ccg gag gcg ctg ggc ttc agc ccg gag gac 336
253 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
254          100         105         110
256 gcg gtc gag gcg ctc atc agc aac agc cac cag ctc cag ggt ggc ttc 384
257 Ala Val Glu Ala Leu Ile Ser Asn Ser His Gln Leu Gln Gly Gly Phe
258          115         120         125
260 gat ggc tat gcg cgg gga gcg cag cag ctg gcc gcg gca ggc ggg gcc 432
261 Asp Gly Tyr Ala Arg Gly Ala Gln Gln Leu Ala Ala Ala Gly Ala
262          130         135         140
264 ggc gcc ggc gcc tcc ctg ggc ggc agc ggc gag gag atg ggc ccc gcc 480
265 Gly Ala Gly Ala Ser Leu Gly Gly Ser Gly Glu Glu Met Gly Pro Ala
266          145         150         155         160
268 gcc gcc gtg gtg tcc gcc gtg atc gcc gcg gcc gcc gcg cag agc ggc 528
269 Ala Ala Val Val Ser Ala Val Ile Ala Ala Ala Ala Gln Ser Gly
270          165         170         175

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|     |       |           |              |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |
|-----|-------|-----------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|
| 272 | gcg   | gca       | ccc          | cac | tac | cat | cac | cac | cac | cac | gcc | gaa | ggg | cac | cac | 576  |     |     |
| 273 | Ala   | Ala       | Pro          | His | Tyr | His | His | His | His | His | Ala | Ala | Gly | His | His |      |     |     |
| 274 |       |           |              |     |     |     |     |     |     |     | 180 |     | 185 |     | 190 |      |     |     |
| 276 | cac   | cat       | ccg          | acg | gcc | ggc | gcc | ccg | gga | acc | gca | ggc | ggc | gca | tct | 624  |     |     |
| 277 | His   | His       | Pro          | Thr | Ala | Gly | Ala | Pro | Gly | Thr | Ala | Gly | Gly | Ala | Ser | Ser  |     |     |
| 278 |       |           |              |     |     |     |     |     |     |     | 195 |     | 200 |     | 205 |      |     |     |
| 280 | tct   | tcg       | aac          | ggc | gca | ggt | ggc | gca | ggc | ggc | ggt | ggc | ccg | gcc | aac | 672  |     |     |
| 281 | Ser   | Ser       | Asn          | Gly | Ala | Gly | Gly | Ala | Gly | Gly | Gly | Gly | Gly | Pro | Ala | Asn  | Thr |     |
| 282 |       |           |              |     |     |     |     |     |     |     | 210 |     | 215 |     | 220 |      |     |     |
| 284 | ggg   | ggc       | ggc          | ggc | ggc | gga | gac | ggc | ggc | ggg | ggc | acg | gca | ggg | gca | 720  |     |     |
| 285 | Gly   | Gly       | Gly          | Gly | Gly | Gly | Asp | Gly | Gly | Gly | Gly | Gly | Gly | Thr | Ala | Gly  | Ala | Gly |
| 286 | 225   |           |              |     |     |     |     |     |     |     | 230 |     | 235 |     | 240 |      |     |     |
| 288 | ggc   | gcc       | ctt          | cac | ccg | cac | cat | tcc | gca | ggc | ggc | ctg | cac | tcc | gac | 768  |     |     |
| 289 | Gly   | Ala       | Leu          | His | Pro | His | His | Ser | Ala | Gly | Gly | Leu | His | Phe | Asp | Asp  |     |     |
| 290 |       |           |              |     |     |     |     |     |     |     | 245 |     | 250 |     | 255 |      |     |     |
| 292 | cgc   | tcc       | tcg          | gac | gag | cag | ttg | gtg | acc | atg | tcc | gtg | cgc | gaa | ctg | 816  |     |     |
| 293 | Arg   | Phe       | Ser          | Asp | Glu | Gln | Leu | Val | Thr | Met | Ser | Val | Arg | Glu | Leu | Asn  |     |     |
| 294 |       |           |              |     |     |     |     |     |     |     | 260 |     | 265 |     | 270 |      |     |     |
| 296 | cgg   | cag       | ctg          | cgc | ggg | gtc | agc | aag | gag | gag | gtg | atc | cga | ctg | aag | 864  |     |     |
| 297 | Arg   | Gln       | Leu          | Arg | Gly | Val | Ser | Lys | Glu | Glu | Val | Ile | Arg | Leu | Lys | Gln  |     |     |
| 298 |       |           |              |     |     |     |     |     |     |     | 275 |     | 280 |     | 285 |      |     |     |
| 300 | aag   | agg       | cg           | acc | ctg | aaa | aac | cgc | ggc | tat | gcc | cag | tcc | tgc | cgc | 912  |     |     |
| 301 | Lys   | Arg       | Arg          | Thr | Leu | Lys | Asn | Arg | Gly | Tyr | Ala | Gln | Ser | Cys | Arg | Phe  |     |     |
| 302 |       |           |              |     |     |     |     |     |     |     | 290 |     | 295 |     | 300 |      |     |     |
| 304 | aag   | agg       | gtg          | cag | cag | aga | cac | gtc | ctg | gag | tcg | gag | aag | aac | cag | 960  |     |     |
| 305 | Lys   | Arg       | Val          | Gln | Gln | Arg | His | Val | Leu | Glu | Ser | Glu | Lys | Asn | Gln | Leu  |     |     |
| 306 | 305   |           |              |     |     |     |     |     |     |     | 310 |     | 315 |     | 320 |      |     |     |
| 308 | ctg   | cag       | cag          | gta | gac | cac | ctc | aag | cag | gag | atc | tcc | agg | ctg | gtg | 1008 |     |     |
| 309 | Leu   | Gln       | Gln          | Val | Asp | His | Leu | Lys | Gln | Glu | Ile | Ser | Arg | Leu | Val | Arg  |     |     |
| 310 |       |           |              |     |     |     |     |     |     |     | 325 |     | 330 |     | 335 |      |     |     |
| 312 | gaa   | agg       | gac          | gcc | tac | aag | gag | aaa | tac | gag | aag | ctg | gtg | agc | aac | 956  |     |     |
| 313 | Glu   | Arg       | Asp          | Ala | Tyr | Lys | Glu | Lys | Tyr | Glu | Lys | Leu | Val | Ser | Asn | Gly  |     |     |
| 314 |       |           |              |     |     |     |     |     |     |     | 340 |     | 345 |     | 350 |      |     |     |
| 316 | tcc   | cga       | gaa          | aac | ggc | tcg | agc | agc | gac | aac | cct | tcc | tct | ccc | gaa | 1104 |     |     |
| 317 | Phe   | Arg       | Glu          | Asn | Gly | Ser | Ser | Ser | Asp | Asn | Pro | Ser | Ser | Pro | Glu | Phe  |     |     |
| 318 |       |           |              |     |     |     |     |     |     |     | 355 |     | 360 |     | 365 |      |     |     |
| 320 | tcc   | atg       | tga          | gtg | tga |     |     |     |     |     |     |     |     |     |     | 1119 |     |     |
| 321 | Phe   | Met       |              |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |
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| 327 | <212> | TYPE:     | PRT          |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |
| 328 | <213> | ORGANISM: | Mus musculus |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |
| 330 | <400> | SEQUENCE: | 4            |     |     |     |     |     |     |     |     |     |     |     |     |      |     |     |
| 331 | Met   | Ala       | Ser          | Glu | Leu | Ala | Met | Asn | Asn | Ser | Asp | Leu | Pro | Thr | Ser | Pro  |     |     |
| 332 | 1     |           |              | 5   |     |     |     |     |     | 10  |     |     |     | 15  |     |      |     |     |
| 334 | Leu   | Ala       | Met          | Glu | Tyr | Val | Asn | Asp | Phe | Asp | Leu | Met | Lys | Phe | Glu | Val  |     |     |
| 335 |       |           |              | 20  |     |     |     |     |     | 25  |     |     |     | 30  |     |      |     |     |
| 337 | Lys   | Lys       | Glu          | Pro | Val | Glu | Thr | Asp | Arg | Ile | Ile | Ser | Gln | Cys | Gly | Arg  |     |     |

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/879,312A

DATE: 03/04/2005

TIME: 15:08:14

Input Set : A:\Hui27cpd.app

Output Set: N:\CRF4\03042005\I879312A.raw